

## TALKING PAPER

III-26-1

ON

## NASA/DOD MANIFESTS FOR 18 MONTH STS STAND-DOWN (U)

## BACKGROUND

- (U) RADM Truly announced 18 month STS stand-down on 8 May 86.
- (U) NASA generated internal manifest for 18 month stand-down.
- (U) Space Division held DOD meeting on 14-15 May 86 to generate "Strawman" DOD manifest:
  - (U) Meeting to evaluate/adjust NASA manifest.
  - (U) HQ AFSPACCOM participation (Lt Col Small, XPSS).

## DISCUSSION

- (U) System-by-system launch dates for NASA and DOD manifests at Atch 1. Approximate DOD "get well" is FY 92 with DOD manifest; FY93 with NASA manifest.
- (U) DOD manifest assumptions were:
  - (U) National security missions are first priority.
  - (U) Medium Launch Vehicle for GPS by Jan 89.
  - (U) New Orbiter on line by Oct 90.
  - (U) No STS MILSTAR missions through FY92.
- (U) Concerns were:
  - (U) NASA and DOD manifests differ considerably.
  - (U) Availability of Vandenberg (assumed late CY88).
  - (U) STS - Centaur capability.
    - (U) Many safety issues remain.
    - (U) NASA considering off-load of planetary missions to CELVs.
    - (U) Without Centaur the STS cannot launch heavier GEO satellites, such as MILSTAR.

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- (U) Impact of GPS delays.
- ~~SSS~~ DOD front end loading in early years of DOD manifest.  
DOD/Civil breakout as follows:

	<u>NASA MANIFEST</u>	<u>DOD MANIFEST</u>
FY87	0/1*	0/1
FY88	2/6	7/1
FY89	6/6	9/3
FY90	6/9	5/10
FY91	6/14	5/15
FY92	8/13	7/14

\* Ratio is DOD Payload/Civil Payload. Dual GPS flight considered as one "DOD Payload".

- (U) Bottom Line:
  - Coordinated manifest does not yet exist -- will continue to change with issues.
  - DOD and NASA will continue to negotiate.

#### RECOMMENDATION

- None -- for information only.

*C.D. Smith*  
DCS Approval

1 Atch  
(S) Table of STS Launch  
Dates, 16 May 86

Lt Col Small/XPSS/2689/tg/22 May 86

**SYSTEM-BY-SYSTEM LAUNCH DATES  
USING 18 MONTHS STAND-DOWN**

<b>MANIFEST SYSTEM</b>	<b>NASA BASELINE (NASA "OPTION 2A") 30 APR 86</b>	<b>DOO-OPTION 16 MAY 86</b>
DSP #14 #19	May 89 (20) 1) Nov 91 (0)	Jan 89 (16) Nov 91 (0)
DSCS A3, B6 B7, B8 B9, B10 B11, B12	Dec 89 (38) Aug 90 (24) Feb 91 (11) Oct 92 (0)	Mar 89 (29) Dec 89 (16) Aug 90 (5) Oct 92 (0)
P-675/888 2)	Dec 88 (29)	Jul 88 (24)
SDI - TPE I 3) TPE II NFB 4)	Feb 90 (29) Apr 90 (18) May 91 (20)	Oct 89 (25) Apr 88 (+6) Oct 90 (13)
GPS #1 & #2 5) #6 (Trident Support) <i>b (1)</i>	Apr 88 (15) Jun 89 (21) <i>b (1)</i>	Jun 88 (17) Feb 89 (17) <i>b (1)</i>
Special Missions	Average delay 6 mo.	Average delay 1.5 mo.

NOTES: 1) Numbers in parenthesis are total months of delay from pre-Challenger "Required Launch Dates." As of 0800/16 May 86.  
 2) Includes Teal Ruby payload.  
 3) Tracking and Pointing Experiment.  
 4) Neutral particle beam experiment.  
 5) Numbers represent sequence of STS launched GPS satellites. Significant events are noted in parenthesis. Delays assume no support from ELVs.

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